





**TOPIC 2: AGREEMENTS**

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Office of Traffic, Safety &amp; Technology</p> 	 <p style="text-align: center;"><b>Traffic Signals 101</b></p> <p style="text-align: center;"><b>Topic 2 Agreements</b></p>	<p>This topic will cover Agreements. This includes:</p> <ul style="list-style-type: none"> <li>• Signal Agreements</li> <li>• Cost Splits</li> <li>• Type of Agreements written in the Traffic Office</li> <li>• Agreements for State Let and City/County Let projects</li> <li>• What agreements cover</li> <li>• Items that may be covered in Agreements</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Office of Traffic, Safety &amp; Technology</p> 	<p style="text-align: center;"><b>Agreements</b></p> <p>➤ <b>Signal Agreements</b></p> <ul style="list-style-type: none"> <li>– An Agreement is a contract between the state and another entity defining who pays for what</li> <li>– Cooperative agreements specify the sharing of cost, maintenance, and operation of signals</li> </ul> 	<p>The State will not participate financially in a traffic signal that is not justified (see Chapter 1 regarding Intersection Control Evaluation).</p> <p style="text-align: right;">2</p>

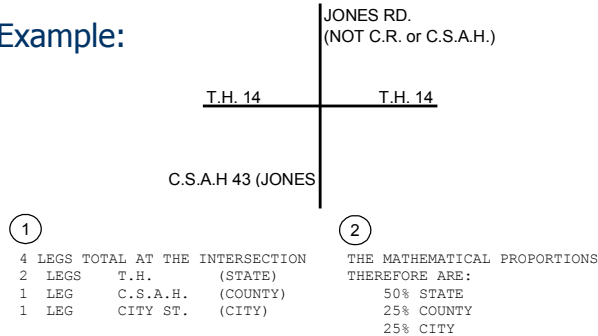


## Agreements

### ➤ Cost Split

- The cost of constructing and maintaining a traffic signal shall be shared by the State and other municipal agencies

- Example:



3

The construction cost is usually divided in the same ratio as the number of legs of the intersection under each jurisdiction. If a leg is split by a division boundary, that leg should be equally divided. A private entrance leg should be divided as a municipal leg.



## Agreements

### ➤ Types of Agreements written in the Traffic Office:

- Traffic Control Signal
- Flashing Beacon
- Emergency Vehicle Pre-emption (EVP)
- Highway Lighting



4

The costs for the signal may include intersection roadway lights, intersection roadway signs, emergency vehicle preemption (EVP) as well as the cost of construction, engineering, inspection and maintenance.



## Agreements

- **Agreements are written for both State Let Projects and City/County Let Projects**
- **State Let Projects - Agreement Classifications**
  - Receivable
  - Payable / Receivable
  - Maintenance
  - Reimbursable Maintenance
  - State Force Account

5

Traffic signal plans handled by Mn/DOT for other agencies, with or without the state aid process, are handled differently depending on whether the project has federal funding participation, and whether or not the intersection involved is on or off the trunk highway system.

If a signal at a trunk highway intersection is being built or revised by any other agency, the District/Division Traffic Engineer shall approve the final plans before bids are opened on the project. The Traffic Engineer shall approve the plans whether or not there is any federal funding participation.




## Agreements


- **City/County Let Projects - Agreement Classifications**
  - Payable / Receivable
  - Payable
  - Receivable
  - Maintenance
  - Reimbursable Maintenance
  - City Force Account
  - City / State Force Account
  - Agency

6

If a proposed signal is not at a trunk highway location, and the job involves federal funding participation, the Traffic Engineer will indicate concurrence with the design by means of a memorandum to the State Aid office.

If a proposed signal is not at a trunk highway location, and the job does not have federal funding participation, the Traffic Engineer may indicate approval by means of a memo to the State Aid Office; however, the district/division may recommend approval of such a project if the plans have been certified by both a master electrician and licensed engineer.

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Office of Traffic, Safety &amp; Technology</p> 	<h2 style="background-color: #4a86e8; color: white; padding: 5px;">Agreements</h2> <p>➤ <b>What Agreements Cover</b></p> <ul style="list-style-type: none"> <li>– Costs (Construction costs and appropriate shares)</li> <li>– Maintenance</li> <li>– Operation (Timing)</li> <li>– Electrical Energy (Power)</li> </ul>	<p>Agreement terms (cost participation, power supply, design responsibilities, operation responsibilities and major/minor maintenance responsibilities) should be defined as early as possible within any project - regardless of whether the project is going to be administered by the Department or a local agency. Agreement terms are a byproduct of appropriate and timely local agency and Department contact regarding any project.</p>
	<p>Refer to the Cooperative Purchasing Venture at the following web site:  <a href="http://www.mmd.admin.state.mn.us/cpv2.htm">http://www.mmd.admin.state.mn.us/cpv2.htm</a></p>	

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Office of Traffic, Safety &amp; Technology</p> 	<h2 style="background-color: #4a86e8; color: white; padding: 5px;">Agreements</h2> <p>➤ <b>Items that may be covered in the Agreements</b></p> <ul style="list-style-type: none"> <li>– Signals</li> <li>– Street Lights</li> <li>– Advanced Warning Flashers</li> <li>– Signal Ahead Flashers</li> <li>– Interconnect</li> <li>– Emergency Vehicle Pre-emption</li> <li>– Type “D” Signs</li> </ul>	<p>The cost is also split by leg for interconnect (communications devices for adjacent intersections in a signal system).</p>
---	--	---



## Agreements

### ➤ Items that may be covered (continued)

- Internally Lit Signs
- Cross-walk markings
- Intersection Improvements
- Beacons
- Lighting Systems
- Lighting Units
- Preliminary Engineering

9



## Agreements

### ➤ Items that may be covered (continued)

- Engineering & Inspection
- State Furnished Materials (Cabinet and Controller)
- City / County Furnished Materials

10